

689RS



Technical sheet of 689RS

What are the Benefits of choosing 689RS bearings?

- **Versatile Load Bearing:** Capable of simultaneously withstanding radial and bidirectional axial loads, suitable for high-speed and ultra-high-speed applications.
- **Low Friction and Long Life:** Optimized contact between the raceway and steel balls results in an extremely low coefficient of friction, minimal heat generation, and a long service life.
- **High Speed Capability:** Due to high operational precision, it allows for very high maximum speeds.
- **Low Maintenance Costs:** Can be designed with dust covers or sealing rings for lifetime lubrication, requiring no routine maintenance.
- **Rigid and Quiet Operation:** Provides a certain level of rotational stiffness while maintaining low operating noise and vibration levels.

Type :	Single row deep groove ball bearings	
Model :	689RS	
Main demensions :	9 mm × 17 mm × 5 mm	Bore Dia × Outside Dia × Width Dia
M kg:	0.004	Mass
HS Code :	8482102000	Bearing customs code
d mm:	9	inner ring diameter
D mm:	17	Outer ring diameter
B(T) mm:	5	Overall Width

Detailed parameters and installation dimensions:

Part Number: 689RS KYK

Technical description (RS): RS=Sheet Steel Reinforced Contact Seal Of Acrylonitrile-Butadiene Rubber (NBR) On One Side Of The Bearing.

Bearing Type: Deep Groove Ball Bearings, Single Row

Bearing Size (metric): Bore Dia. (d): 9,00 mm X Outer dia. (D): 17,00 mm X Width (B): 5,00 mm or Size: 9,00 mm * 17,00 mm * 5,00 mm

Original Equipment Manufacture(OEM NO.): 689RS

Bore: C (Cylindrical Bore)

Seals Type: RS - Rubber Seal on One Side

Cage Design: S (Steel or Standard Cage)

Radial internal clearance: Cn (Normal Internal clearance)

Precision Rating: Standard class precision

Type of lubrication: Standard class lubrication

Thermal Stability: No Thermal Stability - Temperatures up to 120°C

What are the applications of the 689RS bearing?

- **Motors/Electrical Appliances:** Used in motors and home appliances. Ensures smooth high-speed operation and low noise.
- **Automotive Industry:** Used in generators and gearboxes. Suitable for medium loads and offers high reliability.
- **General Machinery:** Used in pumps, fans, and speed reducers. Low friction, maintenance-free, and long service life.

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